

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	798753	benefit or advantage with optical isolator	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 10:04
L3	480	(benefit or advantage) with optical isolator	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 11:40
L4	0	active filter\$5 with dipers\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 11:41
L5	4	active filter\$5 with dispers\$5 with electronic dispersion compensation	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 11:52
L6	15	(FIR or FFE or DFE) with filter with dispers\$5 compensat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 11:59
L7	6	("20030086638"   "20030235367"   "4592043"   "6289151"   "6389203"   "6766083").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/26 11:55
L8	19	(FIR or FFE or DFE) with dispers\$5 compensat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 12:29
L9	2	"5515196".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 12:29
L10	0	"5515196".pn. and polarization	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 12:30
L11	0	"5515196".pn. and polariz\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 12:30
S1	4	"605107".ap.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/26 10:04
S2	269	398/91.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:01

## EAST Search History

S3	434	398/183.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:10
S4	203	398/186.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:09
S5	2	398/186.ccls. and (electro absorb\$5 or electro\$1absorb\$5 or electroabsorb\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:21
S6	39	398/186.ccls. and (electro absorb\$5 or electro\$1absorb\$5 or electroabsorb\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:28
S7	21	398/25-29.ccls. and (electro absorb\$5 or electro\$1absorb\$5 or electroabsorb\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:28
S8	316	398/182.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:29
S9	696	"385"/\$.ccls. and (electro absorb\$5 or electro\$1absorb\$5 or electroabsorb\$5) with modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:32
S10	2704	(electro absorb\$5 or electro\$1absorb\$5 or electroabsorb\$5) with modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:32
S11	2	"5416862".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:35
S13	2	"6154589".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:37
S14	2	"20030011847".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/20 18:37
S15	85	bandwidth\$distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:50

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S16	42	bandwidth\$distance and modulat\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:33
S17	11	bandwidth\$distance and (intens\$5 with modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:39
S18	2073	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:23
S19	4	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF) and (S15 with BER)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:17
S20	4	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF) and (S15 and BER)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:42
S21	2073	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:42
S22	5	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF) and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:48
S23	101897	ber or bit error rate or bit rate or bit\$error\$rate	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:49
S24	236	S23 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:49
S25	150	S23 and S21 and distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:49
S26	5189	bandwidth with distance	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:50
S27	13	S23 and S26 and S21	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 08:51

## EAST Search History

S28	227	398/188.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:01
S29	13	effective modal bandwidth	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:03
S30	3	398/182-191.ccls. and (multimode or multi\$mode or MMF) with spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:11
S31	11	398/182-191.ccls. and (multimode or multi\$mode or MMF) and spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:11
S32	1060	(intens\$5 with modulat\$5) and (multimode or multi\$mode or MMF) and spatial	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:18
S33	134	398/185.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:59
S34	16437	398/185.ccls. and mmf or multimode	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 09:59
S35	8	398/185.ccls. and (mmf or multimode)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:02
S36	3	398/185.ccls. and ((mmf or multimode or multi\$mode) (fiber or waveguid\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:05
S37	50	398/180-195.ccls. and ((mmf or multimode or multi\$mode) (fiber or waveguid\$5))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:06
S38	8	398/180-195.ccls. and ((mmf or multimode or multi\$mode) (fiber or waveguid\$5)) and (spatial or grating)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:15
S39	157	single with multimode with convert\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:25

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S40	0	(single with multimode with convert\$5) and "398"/\$ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:17
S41	16	(single with multimode with convert\$5) and "398"/\$.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:17
S42	1	((singlemode or monomode or SMF) with (multimode or MMF) with convert\$5) and (intens\$5 modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:27
S43	14	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) with convert\$5) and (intens\$5 modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:48
S44	0	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) with (spacial mode convert\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:48
S45	0	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spacial mode convert\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 10:49
S46	15	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial mode convert\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:00
S47	78	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with convert\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:00
S48	37	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with convert\$5)) and ((intens\$5 or phase modulat\$5 or amplit\$5 or hybrid) with modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:21

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S49	39	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with convert\$5)) and ((intens\$5 or phase or amplit\$5 or hybrid) with modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:21
S50	20	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with mode with convert\$5)) and ((intens\$5 or phase or amplit\$5 or hybrid) with modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:39
S51	92	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with filter)) and (number with modes)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:40
S52	1	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with filter)) with (number with modes)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:40
S53	5	((singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with filter\$5)) with (number with modes)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:41
S54	261	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) and (spatial with filter\$5 or fusion spl\$5) with mode\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:42
S55	64	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) with (spatial with filter\$5 or fusion spl\$5) with mode\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:48
S56	0	(singlemode or single mode or Single\$mode or monomode or mono\$mode or SMF) with (multi\$mode or MMF) with (spatial with filter\$5 or fusion spl\$5) with reduce\$5 with mode\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:49

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S57	10	(spatial with filter\$5 or fusion spl\$5) with reduce\$5 with number with mode\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:50
S58	0	(spatial with filter\$5 or fusion spl\$5) with (multi\$mode of MMF)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:51
S59	225	(spatial with filter\$5 or fusion spl\$5) with (multi\$mode or MMF)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 11:51
S60	99	(spatial with filter\$5 or fusion spl\$5) with (multi\$mode or MMF) and ((intens\$5 or phase) with modulats\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:21
S61	17	intens\$5 modulats\$5 with multi\$mode fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:22
S62	0	intens\$5 modulats\$5 with multi\$mode fiber with (single\$mode or mono\$mode) fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:23
S63	4	intens\$5 modulats\$5 same multi\$mode fiber with (single\$mode or mono\$mode) fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:23
S64	39	intens\$5 modulats\$5 and multi\$mode fiber with (single\$mode or mono\$mode) fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:25
S65	3	intens\$5 modulats\$5 and multi\$mode fiber with (single\$mode or mono\$mode) fiber and spatial filter\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 13:26
S66	8	("20020139920"   "4234788"   "6515274"   "6550918"   "6755532"   "6779892"   "6845190"   "6856712").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:23
S67	0	fddi and (singlemode with multimode) with coupl\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:24
S68	9	fddi and (single\$mode with multi\$mode) with coupl\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 16:27
S69	5	fddi and (single\$mode with multi\$mode) with coupl\$5 with spatial	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:41

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S70	2	fddi and (single\$mode with multi\$mode) with coupl\$5 with filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:52
S71	2	fddi and (single\$mode with multi\$mode) with coupl\$5 same filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:44
S72	2	fddi and (single\$mode with multi\$mode) same coupl\$5 same filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:45
S73	10	("4067642"   "4460241"   "4553238"   "4817205"   "4854706"   "4995691"   "5048026"   "5077814"   "5138675"   "5185827").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:45
S74	0	(single\$mode with multi\$mode) with coupl\$5 with spatial filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:52
S75	6	(single\$mode with multi\$mode) with spatial filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 14:58
S76	20	(single\$mode with multi\$mode) same spatial with filter\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:09
S77	1	"5515196".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:09
S78	13511	"5515196".pn. and multi\$mode or single\$mode	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:09
S79	0	"5515196".pn. and (multi\$mode or single\$mode)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:10
S80	1	"5515196".pn. and fiber	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:11
S81	1	"6510265".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:11
S82	2	("6064786"   "6157757").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:26
S83	1	"6487338".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:27
S84	1	"6415076".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:28



## EAST Search History

S85	1	"6356380".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:29
S86	1	"6185346".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:37
S87	1	"6154589".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:38
S88	0	"20020126954".ap.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:38
S89	0	"20020126954""".pn.."	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:38
S90	1	"20020126954".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:39
S91	1	"20020191906".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:41
S92	1	"20030011847".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 15:41
S93	23	intens\$5 with modulat\$5 with (multi\$mode fiber or MMF)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:16
S94	0	fddi and (intens\$5 with modulat\$5 with (multi\$mode fiber or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:17
S95	0	fddi and (intens\$5 with modulat\$5 same (multi\$mode fiber or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:17
S96	4	fddi and (intens\$5 with modulat\$5 same (multi\$mode or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:18
S97	134	ethernet and (intens\$5 with modulat\$5 same (multi\$mode or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:23
S98	0	ethernet and (intens\$5 with modulat\$5 with (multi\$mode fiber or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:18

## EAST Search History

S99	0	ethernet and (intens\$5 with modulat\$5 with (multi\$mode waveguide or MMF))	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:18
S10 0	5	S18 and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/23 16:24
S10 1	19	ethernet and (single\$mode with multi\$mode) with coupl\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 16:34
S10 2	98	ethernet and (multi\$mode) with intens\$5 modulat\$5	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 16:35
S10 3	98	ethernet and (multi\$mode) with (intens\$5 modulat\$5)	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/23 16:35
S10 4	106	laser same intens\$5 modulat\$5 with phase modulat\$5 with spatial\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 13:09
S10 5	105	laser with intens\$5 modulat\$5 with phase modulat\$5 with spatial\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 13:09
S10 6	105	laser with (intens\$5 modulat\$5) with (phase modulat\$5) with spatial\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 13:11
S10 7	239	laser with (intens\$5 modulat\$5) with (phase modulat\$5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 13:11
S10 8	38	laser with (intens\$5 modulat\$5) with (phase modulat\$5) same fiber	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 13:11
S10 9	3	("20020141510"   "5745613"   "6282334").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/24 13:17
S11 0	3	("20020015212"   "20030058519"   "6097525").PN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2006/10/24 13:21
S11 1	0	"359.ccls"	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 15:15

## EAST Search History

S11 2	114170	"359".clas.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/24 15:15
S11 3	2	"5515196".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	ADJ	ON	2006/10/25 14:06